

# OPINIONS AND DECLARATIONS RENDERED BY THE INTER- NATIONAL COMMISSION ON ZOOLOGICAL NOMENCLATURE

*Edited by*

**FRANCIS HEMMING, C.M.G., C.B.E.**

Secretary to the Commission

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## DIRECTION 67

Addition to the *Official List of Specific Names in Zoology* (a) of the specific names of twenty species belonging to the Classes Trilobita, Crustacea (other than species of the Order Decapoda), Diplopoda and Arachnida, each of which is the type species of a genus, the name of which was placed on the *Official List of Generic Names in Zoology* up to the end of 1936, and (b) of the specific name of one species belonging to the Class Arachnida which is currently treated as a senior synonym of the name of such a species

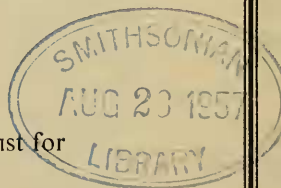
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# INTERNATIONAL COMMISSION ON ZOOLOGICAL NOMENCLATURE

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## DIRECTION 67

ADDITION TO THE "OFFICIAL LIST OF SPECIFIC NAMES IN ZOOLOGY" (a) OF THE SPECIFIC NAMES OF TWENTY SPECIES BELONGING TO THE CLASSES TRILOBITA, CRUSTACEA (OTHER THAN SPECIES OF THE ORDER DECAPODA), DIPLOPODA AND ARACHNIDA, EACH OF WHICH IS THE TYPE SPECIES OF A GENUS, THE NAME OF WHICH WAS PLACED ON THE "OFFICIAL LIST OF GENERIC NAMES IN ZOOLOGY" UP TO THE END OF 1936, AND (b) OF THE SPECIFIC NAME OF ONE SPECIES BELONGING TO THE CLASS ARACHNIDA WHICH IS CURRENTLY TREATED AS A SENIOR SYNONYM OF THE NAME OF SUCH A SPECIES

**RULING** :—(1) The under-mentioned specific name of a species belonging to the Class Trilobita, which is the type species of a genus, the name of which was placed on the *Official List of Generic Names in Zoology* in 1925 by the Ruling given in the *Opinion* cited below, is hereby placed on the *Official List of Specific Names in Zoology* with the Name Number 1304 :—

*diffractum*, Zenker, 1833, as published in the combination *Otarion diffractum* (specific name of type species of *Otarion* Zenker, 1833) (*Opinion* 88)

(2) The under-mentioned specific names of species belonging to the Class Crustacea, each of which is the type species of a genus, the name of which was placed on the *Official List of Generic Names in Zoology* in the period up to the end of 1936 by Rulings given in the

*Opinions* cited in each case below, are hereby placed on the *Official List of Specific Names in Zoology* with the Name Numbers severally cited below :—

- (a) *anatifera* Linnaeus, 1758, as published in the combination *Lepas anatifera* (specific name of type species of *Lepas* Linnaeus, 1758) (Order Cirripedia) (*Opinion* 77) (Name No. 1305) ;
- (b) *castor* Jurine, 1820, as published in the combination *Monoculus castor* (specific name of type species of *Diaptomus* Westwood, 1836) (Order Copepoda) (*Opinion* 104) (Name No. 1306) ;
- (c) *pulex* Linnaeus, 1758, as published in the combination *Cancer pulex* (specific name of type species of *Gammarus* Fabricius, 1775) (Order Amphipoda) (*Opinion* 104) (Name No. 1307) ;
- (d) *scaber* Latreille, [1803—1804], as published in the combination *Porcellio scaber* (specific name of type species of *Porcellio* Latreille, [1803—1804]) (Order Isopoda) (*Opinion* 104) (Name No. 1308).

(3) The under-mentioned specific name of a species belonging to the Class Diplopoda, which is the type species of a genus, the name of which was placed on the *Official List of Generic Names in Zoology* in 1928 by the Ruling given in the *Opinion* cited below, is hereby placed on the *Official List of Specific Names in Zoology* with the Name Number 1309 :—

*complanatus* Linnaeus, 1761, as published in the combination *Julus complanatus* (specific name of type species of *Polydesmus* Latreille, [1802—1803]) (*Opinion* 104).

(4) The under-mentioned specific names of species belonging to the Class Arachnida, each of which is the type species of a genus, the name of which was placed on the *Official List of Generic Names in Zoology* in the period up to the end of 1936 by Rulings given in the

*Opinions* cited below, are hereby placed on the *Official List of Specific Names in Zoology* with the Name Numbers severally specified below :—

(i) **Specific names of type species of genera, the names of which were placed on the “ Official List of Generic Names in Zoology ” by the Ruling given in “ Opinion ” 73**

(a) *cajennensis* Fabricius, 1787, as published in the combination *Acarus cajennensis* (specific name of type species of *Amblyomma* Koch, 1844) (Name No. 1310) ;

(b) *reticulatus* Fabricius, 1794, as published in the combination *Acarus reticulatus* (specific name of type species of *Dermacentor* Koch, 1844) (Name No. 1311) ;

(c) *concinna* Koch, 1844, as published in the combination *Haemaphysalis concinna* (specific name of type species of *Haemaphysalis* Koch, 1844) (Name No. 1312) ;

(d) *bicornis* Nuttall & Warburton, 1908, as published in the combination *Rhipicentor bicornis* (specific name of type species of *Rhipicentor* Nuttall & Warburton, 1908) (Name No. 1313) ;

(e) *sanguineus* Latreille, 1806, as published in the combination *Ixodes sanguineus* (specific name of type species of *Rhipicephalus* Koch, 1844) (Name No. 1314) ;

(ii) **Specific names of type species of genera, the names of which were placed on the “ Official List of Generic Names in Zoology ” by the Ruling given in “ Opinion ” 104**

(f) *eruditus* Schrank, 1781, as published in the combination *Acarus eruditus* (specific name of type species of *Cheyletus* Latreille, 1796) (Name No. 1315) ;

- (g) *folliculorum* Simon, 1842, as published in the combination *Acarus folliculorum* (specific name of type species of *Demodex* Owen, 1843) (Name No. 1316) ;
- (h) *equi* Raspail, 1834, as published in the combination *Sarcoptes equi* (specific name of type species of *Psoroptes* Gervais, 1841) (Name No. 1317) ;
- (i) *holosericeus* Linnaeus, 1758, as published in the combination *Acarus holosericeus* (specific name of type species of *Trombidium* Fabricius, 1775) (Name No. 1318) ;
- (j) *avicularia* Linnaeus, 1758, as published in the combination *Aranea avicularia* (specific name of type species of *Avicularia* Lamarck, 1818) (Name No. 1319) ;
- (k) *punctoria* Villers, 1789, as published in the combination *Aranea punctoria* (specific name of type species of *Dysdera* Latreille, 1804) (Name No. 1320) ;
- (l) *tredecimguttata* Rossi, 1790, as published in the combination *Aranea tredecimguttata* (specific name of type species of *Latrodectus* Walckenaer, 1805) (Name No. 1321) ;
- (m) *hastatus* Clerck, [1758], as published in the combination *Aranea hastatus* (specific name of type species of *Dendryphantes* Koch, 1837) (Name No. 1322) ;
- (iii) Specific name of the type species of a genus, the name of which was placed on the " Official List of Generic Names in Zoology " by the Ruling given in " Opinion " 128**
- (n) *myoti* Kolenati, 1856, as published in the combination *Pteropus myoti* (specific name of type species of *Spinturnix* van Heyden, 1826) (Name No. 1323).

(5) The under-mentioned specific name is hereby placed on the *Official List of Specific Names in Zoology* with the Name Number 1324 :—

*echinopus* Fumouze & Robin, 1868, as published in the combination *Tyroglyphus echinopus* (Class Arachnida).

## I. THE SUBJECT MATTER OF THE PRESENT “ DIRECTION ”

The present *Direction* has been prepared under a General Directive issued to the International Commission on Zoological Nomenclature by the Thirteenth International Congress of Zoology, Paris, 1948, that the specific names of the species which are the type species of genera, the names of which had been placed on the *Official List of Generic Names in Zoology* prior to the opening of that Congress should, if the oldest available names for the species concerned, be placed on the *Official List of Specific Names in Zoology* and that in other cases there should be placed on that *List* whatever is currently considered to be the oldest available name for the species concerned. The present, which is the sixth in this series of *Directions*, is concerned with completing the action called for under the foregoing Directive in relation to the specific names of species which are the type species of genera belonging to the Phylum Arthropoda, the names of which were placed on the *Official List of Generic Names in Zoology* up to the end of 1936. The required action has already been taken in regard to the specific names of the type species of genera belonging to the Order Decapoda of the Class Crustacea and to the Class Insecta respectively, the former by the Ruling given in *Direction* 36, the latter by the Ruling given in *Direction* 64. The names dealt with in the present *Direction* are the names of species belonging to the Classes Trilobita, Crustacea (other than names of genera belonging to the Order Decapoda), Diplopoda and Arachnida. The total number of generic names belonging to these genera placed on the *Official List* in the period up to the end of 1936 was thirty-three, but by the time that the

question of compliance with the Directive referred to above came to be considered, the specific names of the type species of two of the genera had already been dealt with and proposals were at that time before the Commission in connection with a third name. The investigations carried out by the Office of the Commission showed that of the remaining thirty names nine required further investigation. The proposals submitted in the present case, which were embodied in the following paper placed before the Commission by the Secretary on 11th June 1956, were concerned therefore with twenty-one specific names :—

**Proposed addition to the “ Official List of Specific Names in Zoology ”**

- (a) of the specific names of twenty species belonging to genera of the Phylum Arthropoda, exclusive of genera belonging to the Class Insecta and to the Order Decapoda of the Class Crustacea, each of which is the type species of a genus, the name of which was placed on the “ Official List of Generic Names in Zoology ” in the period up to the end of 1936 and (b) of the specific name of one species of the Class Arachnida, Order Acarina, which is currently treated as a senior subjective synonym of the name of such a species

By FRANCIS HEMMING, C.M.G., C.B.E.

(Secretary to the International Commission on Zoological Nomenclature)

The present paper contains the sixth instalment of proposals for giving effect to the General Directive issued to the International Commission on Zoological Nomenclature by the Thirteenth International Congress of Zoology, Paris, 1948, that in every case where the specific name of the type species of a genus, the name of which was placed on the *Official List of Generic Names in Zoology* in the period up to the end of 1936, is the oldest available name for the species concerned, that name shall be placed on the *Official List of Specific Names in Zoology* and that in other cases the specific name currently regarded as the oldest available subjective synonym of that name shall be similarly placed on that *List*. The immediately preceding instalment was concerned with the names of the type species of genera belonging to the Class Insecta (Z.N.(S.) 1016) and was submitted to the International Commission with Voting Paper V.P.(O.M.)(56)12.<sup>1</sup>

<sup>1</sup> The decision since taken by the International Commission on the Voting Paper here referred to has been embodied in *Direction* 64. That *Direction* has been published as Part E.4 of the present Section of Volume 1 (: 61—74),



2. The proposals now submitted relate to the names of the type species of genera belonging to the Phylum Arthropoda, other than genera belonging (a) to the Class Insecta (dealt with in the Voting Paper referred to above) and (b) to the Order Decapoda of the Class Crustacea (on which a decision was taken by the Commission on Voting Paper V.P.(O.M.)(55)27, which has since been embodied in *Direction* 36 (now in the press<sup>2</sup>), the names of which were placed on the *Official List of Generic Names in Zoology* in the period up to the end of 1936. The total number of generic names so involved is thirty-three. These names were placed on the *Official List* in the following *Opinions*: *Opinion* 73 (eight names); *Opinion* 77 (one name); *Opinion* 88 (one name); *Opinion* 104 (twenty-one names); *Opinion* 113 (one name); *Opinion* 128 (one name).

3. In two cases the name of the type species of the genus concerned has already been placed on the *Official List of Specific Names in Zoology*. The names concerned are: (i) *polyphemus* Linnaeus, 1758, as published in the combination *Monoculus polyphemus* (specific name of type species of *Limulus* Müller (O.F.), 1785) (Class Merostomata), placed on the *Official List* as Name No. 119 by the Ruling given in *Opinion* 320; (ii) *florentina*, Rossi, 1790, as published in the combination *Aranea florentina* (specific name of type species of *Segestria* Latreille, [1804]), Class Arachnida), placed on the *Official List* as Name No. 675 by the Ruling given in *Direction* 29. In the case of a third generic name belonging to the group to be considered on the present occasion, namely *Scorpio* Linnaeus, 1758, which was placed on the *Official List of Generic Names in Zoology* by the Ruling given in *Opinion* 104, difficulties were found to exist which made it necessary to submit separate proposals to the Commission (Hemming, 1955, *Bull. zool. Nomencl.* 11: 173—175). The proposals so submitted included a recommendation for the use of the Plenary Powers to designate *Scorpio maurus* Linnaeus, 1758, to be the type species of the genus *Scorpio* Linnaeus; it was part of the proposal that the specific name *maurus* Linnaeus should thereupon be placed on the *Official List of Specific Names in Zoology*. The above proposals are now before the Commission in connection with Voting Paper V.P.(56)10.<sup>3</sup> Accordingly, no further action is called for in connection with this name.

4. Thus, when allowance is made for the action taken and/or in progress in connection with the three generic names discussed in paragraph 3 above, the number of names still requiring attention is seen to be reduced to thirty. The investigations carried out by the

<sup>2</sup> *Direction* 36 was published on 1st September 1956 as Part D.1 of Section D of Volume 1 (: 1—46).

<sup>3</sup> The decision since taken by the International Commission in regard to the case here referred to has been embodied in *Direction* 60, which has been published as Part E.1 of the present Section of Volume 1 (: 1—12).

Office of the Commission show that in the case of nine of these names a further postponement is necessary. The number of names as regards which it is now possible to submit recommendations is therefore reduced to twenty-one.

5. The nine names now postponed for further examination are given below, together with a brief explanation of the question at issue. Each of these cases has now been separately registered, the Number now assigned to each being noted in the list now submitted.

**(a) Class Crustacea, Order Isopoda**

(i) *Armadillidium* Brandt & Ratzeburg, [1831] (Z.N.(S.) 1122))

It has not so far been possible to trace in the literature a selection as the type species of this genus. of the species cited when this generic name was placed on the *Official List* by the Ruling given in *Opinion* 104.

(ii) *Oniscus* Linnaeus, 1758 (Z.N.(S.) 1127)

The position as regards this generic name is similar to that found to exist in the case of the name *Armadillidium* (see (i) above). Like the latter name, the name *Oniscus* Linnaeus was placed on the *Official List* by the Ruling given in *Opinion* 104.

**(b) Class Arachnida, Order Acarina**

(iii) *Argas* Latreille, 1795 (Z.N.(S.) 1128)

It appears that the type species of this genus is currently known by a name which is a junior subjective synonym of another name. The Commission's Plenary Powers would be needed to validate current practice. This generic name was placed on the *Official List* by the Ruling given in *Opinion* 73.

(iv) *Hyalomma* Koch, 1844 (Z.N.(S.) 1129)

This nominal genus, the name of which was placed on the *Official List* by the Ruling given in *Opinion* 73, appears to be based upon a misidentified type species. Accordingly, action by the Commission under the procedure prescribed by the Thirteenth International Congress of Zoology, Paris, 1948, will be needed to validate existing practice in this case.

(v) *Ixodes* Latreille, 1795 (Z.N.(S.) 1130)

In this case there appear to be unresolved doubts as to the interpretation of the nominal species which is the type species of this genus.

It seems probable that the use of the Plenary Powers will be needed in order to provide this genus with a type species in harmony with current usage. This generic name was placed on the *Official List* by the Ruling given in *Opinion* 73.

(vi) *Chorioptes* Gervais & van Beneden, 1859 (Z.N.(S.) 1131)

This generic name was placed on the *Official List* by the Ruling given in *Opinion* 104. There are doubts as to where the specific name of the type species of this genus was first published.

(vii) *Dermanyssus* Dugés, 1834 (Z.N.(S.) 1132)

This is another name placed on the *Official List* by the Ruling given in *Opinion* 104. The difficulty in this case arises from the fact that there are doubts as to where of two places this generic name was first published. If (as seems likely) it was first published on the second of the occasions claimed, there is at present no information as to where its type species was first validly selected.

(viii) *Glycyphagus* Hering, 1838 (Z.N.(S.) 1133)

The difficulty in this case is similar to that described under (v) above in connection with the name *Ixodes* Latreille. This name was placed on the *Official List* by the Ruling given in *Opinion* 104.

(ix) *Sarcoptes* Latreille, [1802—1803] (Z.N.(S.) 1134)

This generic name was placed on the *Official List* by the Ruling given in *Opinion* 113. The difficulty in this case resides in the fact that it is by no means clear what is the oldest available name for the type species of this genus.

6. On the present, as on previous similar occasions the search of the literature undertaken by the Office of the Commission for the purpose of checking and, where necessary, completing the entries made on the *Official List* in the period under review has disclosed a number of individual problems which require to be brought to the attention of the International Commission. These problems have been discussed in paper numbered Z.N.(S.) 1019 which is being submitted to the Commission with Voting Paper V.P.(O.M.)(56)<sup>4</sup> simultaneously with the present paper.

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<sup>4</sup> The decision taken by the International Commission on the Voting Paper here referred to has been embodied in *Direction* 66. It has been published in the immediately preceding Part of the present Section of Volume 1 (: 85—110).

7. The elucidation of the problems involved in the present group of names has been rendered possible by the co-operation and assistance afforded by a number of specialists in the groups concerned. To all of these the grateful thanks of the International Commission are due. The specialists who have assisted in this way, together with particulars (a) of their present appointments or of the appointments which they held at the time when consultations took place and (b) of the Classes on the names of genera of which assistance has been afforded, are the following :—

Pierre Bonnet (*Université de Toulouse, Faculté des Sciences, Laboratoire de Zoologie, Toulouse*) (Class Arachnida)

H. Boschma (*Rijksmuseum van Natuurlijke Historie, Leiden, The Netherlands*) (Class Diplopoda)

Walter E. Collinge (*York, England*) (Class Arachnida)

G. O. Evans (*British Museum (Natural History), London*) (Class Arachnida)

J. P. Harding (*British Museum (Natural History), London*) (Class Crustacea)

Karl Jordan (*British Museum (Natural History), The Zoological Museum, Tring, Herts.*) (Class Trilobita ; Class Crustacea)

Herbert W. Levi (*University of Wisconsin, Department of Zoology, Madison, Wisconsin, U.S.A.*) (Class Arachnida)

F. A. Turk (*Camborne, Cornwall, England*) (Class Arachnida)

R. J. Whittick (*British Museum (Natural History), London*) (Class Arachnida).

8. The postponement for further consideration of the nine cases specified in paragraph 5 above reduces to twenty-one the number of cases on which it is possible to submit recommendations at the present time. The investigations carried out show that in twenty of the cases concerned the specific name of the type species of the genus in question is an available name and is currently accepted as the oldest such name for the taxon concerned. The twenty specific names in question are enumerated in Annexe 1 to the present paper. In the case of the one remaining genus the specific name of the type species is treated by specialists in the group concerned as being a junior subjective synonym of an older available name. Particulars of this case are given in Annexe 2.

9. It is recommended that in accordance with the General Directive referred to in the first paragraph of the present paper the International Commission on Zoological Nomenclature should place on the *Official List of Specific Names in Zoology* :—

- (1) the twenty specific names enumerated in Col. (1) of Annexe 1, each of which (a) is the specific name of the type species of a genus belonging to the Phylum Arthropoda, the name of which was placed on the *Official List of Generic Names in Zoology* in the period up to the end of 1936 and (b) is the oldest available name for the species concerned ;
- (2) the single specific name specified in Col. (1) of Annexe 2, a name which is currently treated by specialists (a) as a senior subjective synonym of the name of the type species of a genus belonging to the Phylum Arthropoda, the name of which was placed on the foregoing *Official List* in the period referred to above and (b) as the oldest available name for the species concerned.

## ANNEXE 1

Specific names of twenty nominal species belonging to the Phylum Arthropoda, each of which (a) is the specific name of the type species of a genus, the name of which was placed on the "Official List of Generic Names in Zoology" in the period up to the end of 1936 and (b) is the oldest available name for the species concerned

<i>Specific name proposed to be placed on the " Official List of Specific Names in Zoology "</i>	<i>Combination in which name specified in Col. 1 was originally published</i>	<i>Name of genus of which species specified in Col. 1 is the type species</i>
(1)	(2)	(3)

## Class Trilobita

## " Opinion " 88

*diffractum* Zenker,  
1833

*Otarion diffractum*

*Otarion* Zenker,  
1833

<i>Specific name proposed to be placed on the "Official List of Specific Names in Zoology"</i>	<i>Combination in which name specified in Col. 1 was originally published</i>	<i>Name of genus of which species specified in Col. 1 is the type species</i>
(1)	(2)	(3)
<b>Class Crustacea</b>		
<b>"Opinion" 77</b>		
<i>anatifera</i> Linnaeus, 1758	<i>Lepas anatifera</i>	<i>Lepas</i> Linnaeus, 1758
<b>"Opinion" 104</b>		
<i>castor</i> Jurinc, 1820	<i>Monoculus castor</i>	<i>Diaptomus</i> Westwood, 1836
<i>pulex</i> Linnaeus 1758	<i>Cancer pulex</i>	<i>Gammarus</i> Fabricius, 1775
<i>scaber</i> Latreille, [1803—1804]	<i>Porcellio scaber</i>	<i>Porcellio</i> Latreille, [1803—1804]
<b>Class Diplopoda</b>		
<b>"Opinion" 104</b>		
<i>complanatus</i> Linnaeus, 1761	<i>Julus complanatus</i>	<i>Polydesmus</i> Latreille, [1802—1803]
<b>Class Arachnida</b>		
<b>"Opinion" 73</b>		
<i>cajennensis</i> Fabricius, 1787	<i>Acarus cajennensis</i>	<i>Amblyomma</i> Koch, 1844
<i>reticulatus</i> Fabricius, 1794	<i>Acarus reticulatus</i>	<i>Dermacentor</i> Koch, 1844
<i>concinna</i> Koch, 1844	<i>Haemaphysalis concinna</i>	<i>Haemaphysalis</i> Koch, 1844
<i>bicornis</i> Nuttall & Warburton, 1908	<i>Rhipiceator bicornis</i>	<i>Rhipiceator</i> Nuttall & Warburton, 1908
<i>sanguineus</i> Latreille, 1806	<i>Ixodes sanguineus</i>	<i>Rhipicephalus</i> Koch, 1844
<b>"Opinion" 104</b>		
<i>eruditus</i> Schrank, 1781	<i>Acarus eruditus</i>	<i>Cheyletus</i> Latreille, 1796
<i>folliculorum</i> Simon, 1842	<i>Acarus folliculorum</i>	<i>Demodex</i> Owen, 1843
<i>equi</i> Raspail, 1834	<i>Sarcoptes equi</i>	<i>Psoroptes</i> Gervais, 1841

*Specific name proposed to be placed on the "Official List of Specific Names in Zoology"*

*Combination in which name specified in Col. 1 was originally published*

*Name of genus of which species specified in Col. 1 is the type species*

(1)

(2)

(3)

<i>holosericeus</i> Linnaeus, 1758	<i>Acarus holosericeus</i>	<i>Trombidium</i> Fabricius, 1775
<i>avicularia</i> Linnaeus, 1758	<i>Aranea avicularia</i>	<i>Avicularia</i> Lamarck, 1818
<i>punctoria</i> Villers, 1789	<i>Aranea punctoria</i>	<i>Dysdera</i> Latreille, 1804
<i>tredecimguttata</i> Rossi, 1790	<i>Aranea tredecimguttata</i>	<i>Latrodectus</i> Walckenaer, 1805
<i>hastatus</i> Clerck, [1758]	<i>Aranea hastatus</i>	<i>Dendryphantes</i> Koch, 1837

**"Opinion" 128**

<i>myoti</i> Kolenati, 1856	<i>Pteropus myoti</i>	<i>Spinturnix</i> van Heyden 1826
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ANNEXE 2

The specific name of a nominal species which is subjectively identified with a nominal species of later date which is the type species of a genus belonging to the Class Arachnida (Order Acarina), the name of which was placed on the "Official List of Generic Names in Zoology" in the period up to the end of 1936

*Specific name proposed to be placed on the "Official List of Specific Names in Zoology"*

*Remarks (not for inclusion in the entry to be made in the "Official List")*

(1)

(2)

**"Opinion" 104**

<i>echinopus</i> Fumouze & Robin, 1868, as published in the combination <i>Tyroglyphus echinopus</i>	a senior subjective synonym of <i>robini</i> Claparède, (1869), as published in the combination <i>Rhizoglyphus robini</i> , the specific name of the type species of <i>Rhizoglyphus</i> Claparède, (1869)
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**2. Registration of the present application :** Upon the receipt of Mr. Hemming's application, the question of placing on the *Official List of Specific Names in Zoology* the specific names of species of the Classes Trilobita, Crustacea (other than species of the Order Decapoda), Diplopoda and Arachnida specified therein was allotted the Registered Number Z.N.(S.) 1018.

## II. THE DECISION TAKEN BY THE INTERNATIONAL COMMISSION ON ZOOLOGICAL NOMENCLATURE

**3. Issue of Voting Paper V.P.(O.M.)(56)14 :** On 11th June 1956 a Voting Paper (V.P.(O.M.)(56)14) was issued in which each Member of the Commission was asked (1) to state whether he agreed "that, in conformity with the General Directives issued to the International Commission on Zoological Nomenclature by the Thirteenth International Congress on Zoology, Paris, 1948, regarding the placing on the appropriate *Official Lists* and *Official Indexes* of names dealt with in, or otherwise involved in, *Opinions* rendered prior to 1936, the names of species belonging to genera of the Phylum Arthropoda, exclusive of genera belonging to the Class Insecta and to the Order Decapoda of the Class Crustacea referred to in Sections (1) and (2) of paragraph 9 of the paper bearing the Registered Number Z.N.(S.) 1018 by the Secretary submitted simultaneously with the present Voting Paper [i.e. in the paragraph numbered as above in the paper reproduced in the first paragraph of the present *Direction*] should be placed on the *Official List of Specific Names in Zoology* as there recommended and that the other action recommended in the said paragraph be similarly approved" and (2) if he did not so agree as regards any given item, to indicate that item.

**4. The Prescribed Voting Period :** As the foregoing Voting Paper was issued under the One-Month Rule, the Prescribed Voting Period closed on 11th July 1956.

**5. Particulars of the Voting on Voting Paper V.P.(O.M.)(56)14 :** At the close of the Prescribed Voting Period, the state of the voting on Voting Paper V.P.(O.M.)(56)14 was as follows :—



(a) *Affirmative Votes had been given by the following twenty-three (23) Commissioners (arranged in the order in which Votes were received) :*

Vokes ; Lemche ; Hering ; Dymond ; Mayr ; Prantl ;  
 Stoll ; Holthuis ; Bradley (J.C.) ; Riley ; Jaczewski ;  
 Hankó ; Key ; Esaki ; do Amaral ; Bonnet ; Mertens ;  
 Kühnelt ; Hemming ; Tortonese ; Sylvester-Bradley ;  
 Cabrera ; Boschma ;

(b) *Negative Votes :*  
 None ;

(c) *Voting Papers not returned, two (2) :*  
 Bodenheimer ; Miller.

**6. Declaration of Result of Vote :** On 12th July 1956, Mr. Hemming, Secretary to the International Commission, acting as Returning Officer for the Vote taken on Voting Paper V.P. (O.M.)(56)14, signed a Certificate that the Votes cast were as set out in paragraph 5 above and declaring that the proposal submitted in the foregoing Voting Paper had been duly adopted and that the decision so taken was the decision of the International Commission in the matter aforesaid.

**7. Preparation of the Ruling given in the present " Direction " :** On 22nd March 1957 Mr. Hemming prepared the Ruling given in the present *Direction* and at the same time signed a Certificate that the terms of that Ruling were in complete accord with those of the proposal approved by the International Commission in its Vote on Voting Paper V.P.(O.M.)(56)14.

**8. Original References :** The original references for the names placed on the *Official List of Specific Names in Zoology* by the Ruling given in the present *Direction* have already been noted in connection with the preparations for the publication of the *Official Lists* in book-form and call for no comment.

9. The prescribed procedures were duly complied with by the International Commission on Zoological Nomenclature in dealing with the present case, and the present *Direction* is accordingly hereby rendered in the name of the said International Commission by the under-signed Francis Hemming, Secretary to the International Commission on Zoological Nomenclature, in virtue of all and every the powers conferred upon him in that behalf.

10. The present *Direction* shall be known as *Direction Sixty-Seven (67)* of the International Commission on Zoological Nomenclature.

DONE in London, this Twenty-Second day of March, Nineteen Hundred and Fifty-Seven.

*Secretary to the International Commission  
on Zoological Nomenclature*

**FRANCIS HEMMING**